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PROJECT REFERENCE NO.	SHEET NO.
W-5601EJ	Sig. 2

EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

WD ENABLE

SW2 — OFF ON

REMOVE DIODE JUMPERS 1-6, 1-15, 2-5, 2-6, 2-13, 2-15, 4-8, 4-16, 5-13, 6-13, 6-15, 8-16 and 13-15.

REMOVE JUMPERS AS SHOWN

■ = DENOTES POSITION OF SWITCH

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Make sure jumpers SEL2-SEL5 are present on the monitor board.

NOTES

1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
2. Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 3,7,9, 10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
3. Program phases 4 and 8 for Dual Entry.
4. Enable Simultaneous Gap-Out for all phases.
5. Program phases 2 and 6 for Start Up In Green.
6. Program phases 2, 6 and 8 for 'STARTUP PED CALL'.
7. Program phases 2 and 6 for Yellow Flash.
8. The cabinet and controller are part of the US 1 Alternate (South Main St.) CLS.

EQUIPMENT INFORMATION

CONTROLLER.....2070
CABINET.....332
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,S2P,S4,S5,S6,S6P,S8,S8P
PHASES USED.....1,2,4,5,6,8,2 PED,6 PED,8 PED
OVERLAPS.....NONE

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5		S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5		6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	11	21,22	P21, P22	NU	41,42	NU	42	51	61,62	P61, P62	NU	81,82	P81, P82
RED		128			101				134			107	
YELLOW		129			102				135			108	
GREEN		130			103				136			109	
RED ARROW	125							131					
YELLOW ARROW	126						132	132					
GREEN ARROW	127						133	133					
✋			113							119			110
🚶			115							121			112

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	SLOT	Ø2 2A,2B	SLOT	SLOT	SLOT	Ø4 4A	SLOT	SLOT	SLOT	SLOT	SLOT	Ø2 PED DC ISOLATOR	Ø6 PED DC ISOLATOR	FS DC ISOLATOR
	L	EMPTY	NOT USED	EMPTY	EMPTY	EMPTY	Ø4 4B	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	NOT USED	Ø8 PED DC ISOLATOR	ST DC ISOLATOR
FILE "J"	U	Ø5 5A	Ø6 6A,6B	Ø5 5B	SLOT	SLOT	Ø8 8A	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT
	L	NOT USED	Ø1 1A	NOT USED	EMPTY	EMPTY	NOT USED	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A,2B	TB2-5,6	I2U	39	1	2	2	Y	Y	_	___	__
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	_	___	3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y	_	___	__
5A	TB3-1,2	J1U	55	17	5	5	Y	Y	_	___	__
6A,6B	TB3-5,6	J2U	40	2	6	6	Y	Y	_	___	
1A	TB3-7,8	J2L	44	6	16	1	Y	Y	_	___	3
5B	TB3-9,10	J3U	64	26	36	5	Y	Y	_	___	15
8A	TB5-9,10	J6U	42	4	8	8	Y	Y	_	___	10
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					
P81,P82	TB8-8,9	I13L	70	32	PED 8	8 PED					

NOTE:
INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

PHASE SEQUENCE PROGRAMMING DETAIL

(program controller as shown below)

FROM OASIS LOCAL CONTROLLER MAIN MENU
SELECT: 4 PHASE SEQUENCE

PHASE SEQUENCE: PAGE 1 NEXT: PAGES) ↘

RNG	LEAD	BARRIER 1		X-LAG	LEAD	BARRIER 2		X-LAG
1	1	2	0	0	0	4	0	0
2	0	6	0	5	0	8	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-2221_
DESIGNED: January 2017_
SEALED: 3-02-17___
REVISED: N/A_____

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn and Associates, Inc.
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REVISION SEAL

NORTH CAROLINA PROFESSIONAL SEAL 036880 ENGINEER KEITH M. MINS

DocuSigned by: Keith M. Mins 3/13/2017
2F8D7BD5A3A1FRE SIGNATURE DATE

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of: Transportation Mobility and Safety Division, Signal Management Section

750 N.Greenfield Pkwy, Garner, NC 27529

US 1A (S. Main Street) at Wake Pointe Shopping Center (Wal-Mart) and Wake Forest Professional Center

Division 5 ___Wake County___ __Wake Forest

PLAN DATE: January 2005 REVIEWED BY: _____
PREPARED BY: BR Lawrence REVIEWED BY: De Marceau

REVISIONS	INIT.	DATE
Added peds. (JP)	KMM	3/13/2017

SEAL

Not a certified document as to the Original Document but Only as to the Revisions - This document originally issued and sealed by Daren E. Marceau, PE #024910, on 9-27-05.
This document is only certified as to the revisions.

SIGNATURE DATE

SIG. INVENTORY NO. 05-2221

06-MAR-2017 08:34
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